APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.
09/281,797	03/31/99	TESHIMA	A	0905-0216P

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EXAMINER	
TRAN, P	
ART UNIT	PAPER NUMBER
2155	

DATE MAILED:
10/24/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ___*three*___ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *Mar 19, 2001* _____ .

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-20* _____ is/are pending in the application.

   4a) Of the above, claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-20* _____ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

   a) ☐ All b) ☐ Some* c) ☐ None of:

   1. ☐ Certified copies of the priority documents have been received.

   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

   3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   *See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

15) ☒ Notice of References Cited (PTO-892)

16) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)

17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). *2*

18) ☐ Interview Summary (PTO-413) Paper No(s). _____

19) ☐ Notice of Informal Patent Application (PTO-152)

20) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 112

1.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2.   Claim 19 is rejected under 35 U.S.C. § 112 second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 19, lines 3-4, the phrase "causing the <u>server</u> to transmit...to the server" does not make sense and appears to be in error. The examiner assumes that the correct phrase is "causing the <u>client</u> to transmit...to the server"

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless --
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4.   Claims 1-20 are rejected under 35 U.S.C § 102(b) as being anticipated by Flowers, Jr. et al (Hereafter, Flowers), U.S. Pat. No. 5,533,174.

Regarding claim 1, Flowers teaches a font sharing system in which data can be communicated between a client computer and a server (i.e., work station 12 and font server 16) [see Figs. 1-2], wherein the client computer includes means for transmitting character specifying

data, which specifies a character, and font specifying data, which specifies a font of the character,

to the server (i.e., the client supplies information such as font name or printing or display features

such as desired letter height, orientation, writing mode, and so forth to the server) [see Abstract

and Col. 2, Line 50 - Col. 3, Line 16]; and the server includes:

first character image data storage means storing character image data expressing a

character as an image (i.e., font storage 18) [see Figs. 1-2];

receiving means for receiving the character specifying data and the font specifying data

transmitted from said client computer (i.e., the font server receive information supplied by the

client regarding font name or printing or display features such as desired letter height, orientation,

writing mode, and so forth) [see Abstract and Col. 2, Line 50 - Col. 3, Line 16];

retrieval means for retrieving, from said first character image data storage means,

character image data expressing a character, which has been specified by the character specifying

data received by said receiving means, as an image in such a manner that the specified character

will have a font specified by the font specifying data received by said receiving means (i.e., the

font server retrieves an appropriate font from storage and prepare the font for use with the current

application) [see Col. 3, Lines 17-30];

character image data generating means for generating the character image data in response

to a situation where the character image data cannot be found in the first character image data

storage means by retrieval performed by the retrieval means (i.e., customizing the font as

necessary and rendering outlines and/or bit maps and reformatting the bit maps or outlines) [see

Col. 4, Lines 30-34 and Col. 6, Lines 10-16]; and

character image data transmitting means for transmitting, to the client computer, character

image data generated by the character image data generating means or character image data found

by retrieval by the retrieval means (i.e., the font server supplies the outlines and /or bit maps to the

client in a format which is compatible with the client's application software) [see Col. 4, Lines 34-

36 and Col. 6, Lines 24-29].

Regarding claim 2, Flowers further teaches means for transmitting, to the server, size

designating data representing the size of a character specified by the character specifying data

(i.e., the client supplies to the server the information regarding font name or printing or display

features such as desired letter height, orientation, writing mode, and so forth) [see Abstract and

Col. 2, Line 50 - Col. 3, Line 16]; and the retrieval means of the server retrieves, from the first

character image data storage means, character image data expressing a character, which has been

specified by the character specifying data and has a size that has been designated by the size

designating data, as an image in such a manner that the specified character will have a font

specified by the font specifying data (i.e., the font server retrieves an appropriate font from

storage and prepare the font for use with the current application and produces bit maps or

outlines, as appropriate, in accordance with specified rendering instruction) [see Col. 3, Lines 17-

30 and Col. 4, Lines 30-34 and Col. 11, Lines 30-32].

Regarding claim 3, Flowers further teaches display control means for controlling a display

device in such a manner that a frame having the size of a character represented on the basis of the

size designating data will be displayed on a display screen (i.e.,client prints or displays characters)

[see Fig. 3B and Col. 6, Lines 6-23 and Col. 9, Lines 62-65].

Regarding claim 4, Flowers further teaches second character image data storage means for

storing character image data expressing a character as an image (i.e., font storage 18) [see Figs.

1-2];

determination means for determining whether character image data expressing a character

as an image has been stored in the second character image data storage means, wherein the

character has been specified by the character specifying data, has a font that has been specified by

the font specifying data and a size that has been designated by the size designating data (i.e.,

determining if selected font exists in the font storage) [see Col. 5, Lines 6-16]; and

enlarging/reducing means which, in response to a determination by said determination

means to the effect that the character image data has not been stored in the second character

image data storage means, is for processing the character image data in such a manner that, of

character image data that has been stored in the second character image data storage means, a

character image that has been specified by the character specifying data and has a font that has

been specified by the font specifying data will be enlarged or reduced so as to take on a size that

has been designated by the size designating data (i.e., customizing font by enlarging or eliminating

glyph and scaling the glyph shape to a desired size) [see Col. 7, Lines 30-65].

Regarding claim 5, Flowers further teaches font preview data storage determination means for determining whether font preview data, which is for displaying a representative character having a font specified by the font specifying data, has been stored (i.e., checking property lists and catalogs) [see Col. 3, Lines 17-30 and Col. 4, Line 50 - Col. 5, Line 16 and Col. 12, Lines 13-21];

display control means for controlling a display device so as to display, on a display screen, the representative character represented by the font preview data in response to a determination by the font preview data storage determination means that the font preview data has been stored; and means for transmitting to the server a request to transmit the font preview data in response to a determination by said font preview data storage determination means that the font preview data has not been stored (i.e., printing or displaying font-related information in property lists and catalogs) [see Col. 12, Lines 5-21]; and

the server further includes font preview data transmitting means for transmitting the font preview data to the client computer in response to the font preview data transmission request transmitted from the client computer (i.e., the server supplies to the client a list of all catalogues and a list of fonts) [see Col. 9, Lines 30-36].

Regarding claim 6, Flowers further teaches the transmitting means of the client computer transmits, to the server, character string specifying data for specifying a combination of a plurality of characters constructing a character string, and font specifying data for specifying fonts of the characters constructing the character string (i.e., the client supplies requested information to the

server wherein the information includes ID, fonts and character shapes or character metrics) [see

Col. 11, Lines 4-66]; and

the receiving means of the server receives the character string data and the font specifying

data transmitted from the transmitting means and the retrieval means of the server retrieves, from

the first character image data storage means, character image data expressing characters as

images, wherein each of these characters, which construct the character string specified by the

character string data, has a font that has been specified by the font specifying data (i.e., the font

server receive information supplied by the client regarding font name or printing or display

features such as desired letter height, orientation, writing mode, and so forth and the font server

retrieves an appropriate font from the storage and prepare the font for use with the current

application) [see Abstract and Col. 2, Line 50 - Col. 3, Line 30]

Regarding claim 7, Flowers further teaches the client includes style data transmitting

means for transmitting, to the server, character style designating data for designating style of a

character specified by the character specifying data (i.e., the client supplies requested information

such as font or character style display feature) [see Col. 1, Lines 13-60 and Col. 2, Line 62 - Col.

3, Line 30]; and

the server includes:

designated character-style retrieval means for retrieving, from the first character image

data storage means, designated-style character image data expressing, as an image, a character of

a style designated by the character style designating data transmitted from the style data

transmitting means (i.e., the font server retrieves an appropriate font from storage and prepare

the font for use with the current application) [see Col. 3, Lines 17-30];

designated-style character image data generating means for generating the designated-style

character image data in response to a situation where the designated-style character image data is

not found by the designated character-style retrieval means (i.e., customizing the font as

necessary and rendering outlines and/or bit maps and reformatting the bit maps or outlines) [see

Col. 4, Lines 30-34 and Col. 6, Lines 10-16]; and

designated-style character image data transmitting means for transmitting, to the client

computer, the designated-style character image data generated by the designated-style character

image data generating means or the designated-style character image data found by the designated

character-style retrieval means (i.e., the font server supplies the outlines and /or bit maps to the

client in a format which is compatible with the client's application software) [see Col. 4, Lines 34-

36 and Col. 6, Lines 24-29].

Regarding claim 8, Flowers further teaches the server includes style information

transmitting means for transmitting, to the client computer, style information for generating the

designated-style character image data (i.e., the font server provides a user a list of the catalogues,

a list of font families, and so forth to allow the user to select a desired font) [see Col. 3, Lines 17-

30 and Col. 8, Lines 35-53]; and

the client computer includes means for generating the designated-style character image

data based upon the style information and the character image data transmitted from the style

information transmitting means (i.e., client follows the procedures to customize the font, as appropriate, and acquire character metrics and bit maps or outlines needed for printing and display) [see Col. 9, Lines 30-65].

Regarding claim 9, Flowers further teaches the client includes character image data storage means for storing the character image data transmitted from the character image data transmitting means (i.e., storage facilities) [see Col. 5, Line 62 - Col. 6, Line 5].

Regarding claim 10, Flowers further teaches the server includes a printing device (i.e., associated printers 14) [see Figs 1-2]; and means for generating new character image data, from the character image data that has been designated by the character image data generating means, so as to obtain a character image having a resolution suited to the resolution of the printing device (i.e., selecting appropriate font and customizing the font as necessary and supplying the outlines and/or bit maps to the client in a format which is compatible with client) [see Col. 4, Lines 28-46 and Col. 5, Lines 25-61].

Regarding claim 11, Flowers teaches a client computer capable of communicating data with a server, comprising:

means for transmitting character specifying data, which specifies a character, and font specifying data, which specifies a font of the character, to the server (i.e., the client supplies information such as font name or printing or display features such as desired letter height,

orientation, writing mode, and so forth to the server) [see Abstract and Col. 2, Line 50 - Col. 3,

Line 16]; and

receiving means for receiving character image data expressing a character, which has been

transmitted from the server and specified by the character specifying data, as an image in such a

manner that the specified character will have a font specified by the font specifying data (i.e., the

client obtains character shapes or character metrics) [see Col. 11, Line 62- Col. 12, Line 2].

Claims 12-13 are rejected under the same rationale set forth above to claim 1.

Claims 14-15 are rejected under the same rationale set forth above to claims 2-3,

respectively.

Claim 16 is rejected under the same rationale set forth above to claim 6.

Regarding claim 17, Flowers teaches a method of controlling the operation of a client

computer capable of communicating data with a server, comprising the steps of :

transmitting character specifying data, which specifies a character, and font specifying

data, which specifies a font of the character, to the server (i.e., the client supplies to the font

server information regarding font name or printing or display features such as desired letter

height, orientation, writing mode, and so forth) [see Abstract and Col. 2, Line 50 - Col. 3, Line

16]; and

receiving character image data expressing a character, which has been transmitted from

the server and specified by the character specifying data, as an image in such a manner that the

specified character will have a font specified by the font specifying data (i.e., the font server

supplies the outlines and /or bit maps to the client in a format which is compatible with the client's

application software) [see Abstract and Col. 4, Lines 34-36 and Col. 6, Lines 24-29].

Claim 18 is rejected under the same rationale set forth above to claim 1.

Claim 19 is rejected under the same rationale set forth above to claim 17.

Claim 20 is rejected under the same rationale set forth above to claim 1.

Other References Cited

5.   The following references cited by the examiner but not relied upon are considered

pertinent to applicant's disclosure.

A) Collins et al, U.S. Pat. No. 5,781,714.

B) Morgan et al, U.S. Pat. No. 5,220,674.

C) Iwatani et al, U.S. Pat. No. 5,432,899.
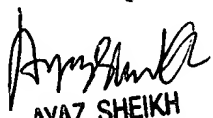
D) Shimizu, U.S. Pat. No. 6,189,020.

6.   A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS ACTION IS SET
TO EXPIRE THREE MONTHS, OR THIRTY DAYS, WHICHEVER IS LONGER, FROM
THE MAILING DATE OF THIS COMMUNICATION. FAILURE TO RESPOND WITHIN
THE PERIOD FOR RESPONSE WILL CAUSE THE APPLICATION TO BECOME
ABANDONED (35 U.S.C. § 133). EXTENSIONS OF TIME MAY BE OBTAINED UNDER
THE PROVISIONS OF 37 CAR 1.136(A).

7.　Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Philip Tran whose telephone number is (703) 308-8767. The Group fax

phone number is (703) 746-7239.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ayaz R. Sheikh, can be reached on (703) 305-9648.

Any inquiry of a general nature or relating to the status of this application should be

directed to the Group receptionist whose telephone number is (703) 305-3900.

PBT
Philip B. Tran
Art Unit 2155
Oct 16, 2001

AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100